

WHAT IS CLAIMED IS:

1. A method to effacing a zipper image, applicable to scan a document using a scanner with a stagger charge-coupled device, the method comprising:
 - determining whether the absolute value of a result of subtracting a nth pixel obtained by scan on a scan line on which the zipper image is produced by a (n+1)th pixel obtained by scan on the scan line is smaller than a critical value; and
 - modifying the nth pixel obtained by scan as a nth pixel after being processed if the result is smaller than the critical value.
2. The method according to claim 1, wherein the nth pixel after being processed equals to one half of a sum of the nth pixel and the (n+1)th pixel obtained by scan.
- 10 3. The method according to claim 1, wherein the nth pixel after being processed equals to one half of the nth pixel obtained by scan plus one half of the (n+1)th pixel obtained by scan.
4. The method according to claim 1, wherein the nth pixel obtained by scan is not processed if the result is larger than the critical value.
- 15 5. The method according to claim 1, wherein the critical value is a predetermined value.
6. The method according to claim 1, wherein the critical value can be adjusted according to the modulation transfer function of the scanner with the stagger charge-coupled device.
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